

ACCESSION NR: AP4038524

alkylphenylchlorosilane in yields of 33.0--55.6%, respectively. From I or II and the appropriate trialkylalkenylsilane (1/3 molar ratio) in the presence of chloroplatinic acid catalyst at atmospheric pressure and 70--200C, the following thick oils were synthesized in 50.3--77% yields: 2,5-bis[(trimethyl- and 2,5-bis[(triethylsilylethyl)methylphenylsilyl]thiophene; 2,5-bis[(trimethylsilylpropyl)methyl- and 2,5-bis[(trimethylsilylpropyl)ethyl-phenylsilyl]thiophene; and 2,5-bis[(triethylsilylpropyl)phenylethyl]thiophene ( $b_2$ , 258--260, 307--310, 277--280, 280--285, and 325--330C, respectively). Structures were confirmed by IR spectroscopy. Orig. art. has: 2 tables and 3 formulas.

ASSOCIATION: Institut neftekhimicheskogo sinteza im. A. V. Topchiyeva Akademii nauk SSSR (Institute of Petrochemical Synthesis, Academy of Sciences SSSR)

SUBMITTED: 04Jan64

DATE ACQ: 09Jun64

ENCL: 00

SUB CODE: 00

NO REF SOV: 001

OTHER: 000

Card 2/2

KARTASHEVA, L.I.; PIKAYEV, A.K.

Causes responsible for the increased yield of phenol in the radiolysis of aqueous sulfate solutions of benzene containing bivalent iron ions and oxygen. Dokl. AN SSSR 163 no.5:1155-1158 Ag '65.

(MIRA 16:8)

1. Institut fizicheskoy khimii AN SSSR. Submitted January 20, 1965.

BORODULIN, V.A., inzh.; KARTASHEVA, I.P.; PETROVSKAYA, Ye.A.

Breaking up of coal in the hydraulic conveying process. Nauch.trudy  
KuzNITUglectog. no.2240-249 '64. (MIRA 17:10)

BEREZNER, I.; KARTASHEVA, N.

In shops and at home. Prom.koop. 14 no.1:31-32 Ja '60.  
(MIRA 13:5)

1. Predsedatel' pravleniya arteli invalidov "3-ya galantereynaya,"  
Moskva (for Berezner). 2. Tekhnoruk arteli "3-ya galantereynaya,"  
Moskva (for Kartasheva).

(Moscow Province--Manufactures)

KOVAL'SKIY, Viktor Vladislavovich; KARTASHEVA, N.M., red.; ANTONOVA,  
N.M., tekhn.red.

[Using tagged atoms in studying metabolism in farm animals]  
Mechenye atomy v izuchenii obmena veshchestv u sel'sko-  
khosiaistvennykh shivotnykh. Moskva, Izd-vo M-va sel'. khos.  
SSSR, 1958. 38 p. (MIRA 12:2)

1. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh  
nauk im. V.I.Lenina (for Koval'skiy).  
(Radioactive tracers) (Metabolism) (Veterinary research)

YERSHOV, V.S., otv.red.; GNEZDINA, M.P., red.; PETROV, A.M., red.;  
POD"YAPOL'SKAYA, V.P., red.; SHUMAKOVICH, Ye.Ye., red.;  
KARTASHEVA, N.M., red.; ANTONOVA, N.M., khudozh.-tekhn.red.

[Works on helminthology; on Academician K.I.Skriabin's 80th  
birthday] Raboty po gel'mintologii; k 80-letiyu akademika  
K.I.Skriabina. Moskva, Izd-vo M-va sel'.khoz.SSR. No.1.  
1959. 217 p. (MIRA 13:4)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni  
V.I.Lenina.

(Worms, Intestinal and parasitic)

SELIBER, G.L., otv.red.; BERESNEVA, V.N., red.; NORKINA, S.P., red.;  
SHKLYAR, M.Z., red.; KARTASHEVA, N.M., red.; ANTONOVA, N.M.,  
khudozh.-tekhn.red.

[Russian microbiologists S.N.Winogradsky and V.L.Omelianskii]  
Russkie mikrobiologi S.N.Vinogradskii i V.L.Omelianskii. Moskva,  
Izd-vo M-va sel'.khoz.SSSR, 1960. 83 p. (MIRA 13:10)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.  
Lenina.

(Winogradsky, Serge, 1856-1953)

(Omelianskii, Vasilii Leonidovich, 1867-1928) (Soils--Bacteriology)

SHMANENKOV, N.A., prof., doktor biolog.nauk, red.; KARTASHEVA, N.M., red.;  
ANTONOVA, N.M., khud.--tekhn.red.

[Chemical preservation of green forage] Khimicheskoe konserviro-  
vanie zelenykh kormov. Pod obshchei red. N.A.Shmanenkova. Moskva,  
Izd-vo M-va sel'.khoz.SSSR, 1960. 106 p.

(MIRA 14:1)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.  
Lenina. 2. Vsesoyuznyy nauchno-issledovatel'skiy institut kone-  
vodstva (for Shmanenkov).

(Feeds--Preservation)

SMETNEV, S.I., akademik, red.; FEDOROVSKIY, N.P., kand.biolog.nauk, red.;  
KARTASHEVA, N.M., red.; ANTONOVA, N.M., khud.-tekhn.red.

[Efficient feeding and maintenance of poultry] Voprosy ratsional'nogo kormleniya i soderzhanija ptitsy. Pod obshchei red. S.I.Smetneva i N.P.Fedorovskogo. Moskva, Izd-vo M.-va sel'.khoz. SSSR, 1960. 163 p. (MIRA 14:1)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I. Lenina. Otdeleniye zhivotnovodstva. 2. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. V.I.Lenina i Moskovskaya sel'skokhozyaystvennaya akademiya im. K.A.Timiryazeva (for Smetnev).  
(Poultry--Feeding and feeds)

DMITRIYEVA, A.I., red.; YEMEL'YANOV, F.V., red.; KARTASHEVA, N.M., red.;  
SOKOLOV, G.N., red.; SUVALOV, I.S., red.; ANTONOVA, N.M.,  
tekhn.red.

[Achievements of the Lenin All-Union Academy of Agricultural  
Sciences and tasks of research institutes in carrying out reso-  
lutions of the December Plenum (1959) of the Central Committee  
of the CPSU; materials of the general assembly of the academicians  
and corresponding members of the Academy, March 22-25, 1960]  
Itogi raboty VASKHNIL i zadachi nauchnykh uchrezhdenii po reali-  
zatsii reshenii dekabr'skogo (1959 g.) Plenuma TsK KPSU; materialy  
obshchego sobraniia akademikov i chlenov-korrespondentov VASKHNIL  
22-25 marta 1960 g. Moskva, Izd-vo M-va sel'.khoz.SSSR, 1960.  
190 p. (MIRA 14:1)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.  
Lenina.

(Agricultural research)

BURAKOV, N.M., red.; KARTASHEVA, N.M., red.; ANTONOVA, N.M.,  
tekhn. red. \_\_\_\_\_

[Recent developments in breeding and feeding farm animals]  
Novoe v razvedenii i kormlenii sel'skokhoziaistvennykh  
zhivotnykh. Pod obshchei red. N.M.Burlakova. Moskva, Sel'-  
khozizdat, 1961. 202 p. (MIRA 15:7)

1. Moscow Vsesoyuznyy nauchno-issledovatel'skiy institut zhi-  
votnovodstva. 2. Chlen-korrespondent Vsesoyuznoy akademii sel'-  
skokhozyaystvennykh nau, im. V.I.Lenina (for Burlakov).  
(Stock and stockbreeding--Feeding and feeds)

KOVAL'SKIY, V.V., prof., red.; DMITROCHENKO, A.P., prof., red.;  
KARTASHEVA, N.M., red.; PROKOF'YEVA, L.N., tekhn.red.

[Trace elements in stockbreeding] Mikroelementy v zhivotnovodstve. Pod obshchei red. V.V.Koval'skogo i A.P.Dmitrochenko. Moskva, Sel'khozizdat, 1962. 141 p.

(MIRA 15:11)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. V.I.Lenina. Otdeleniye zhivotnovodstva. 2. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I.Lenina i Biogeokhimicheskaya laboratoriya Instituta geokhimii i analiticheskoy khimii imeni V.I. Vernadskogo Akademii nauk SSSR (for Koval'skiy).

(Trace elements—Physiological effect) (Feeding)

GINZBURG, A.G.; IVANOV, A.D.; BOYKO, A.A., red.; KARTASHEVA, N.M.,  
red.; PROKOP'YEVA, L.N., tekhn. red.; SOKOLOVA, N.N.,  
tekhn. red.

[Veterinary legislation; statutes, regulations, instructions,  
directives and rules on veterinary medicine] Veterinarnoe za-  
konodatel'stvo; polozheniia, ukazaniia, instruktsii, nastavle-  
niia i pravila po veterinarnomu delu. Pod obshchei red. A.A.  
Boiko. Moskva, Sel'khozizdat, 1962. 358 p. (MIRA 16:4)

1. Russia (1923- U.S.S.R.) Laws, statutes, etc.  
(Veterinary hygiene--Laws and legislation)  
(Veterinarians--Legal status, laws, etc.)

BICHEVOY, Ya.V.; VRANA, V.F.; KARTASHEVA, N.M., red.; TRUKHINA, O.N.,  
tekhn. red.

[Succulent forage the year round] Sochnye korma - kruglyi god.  
Moskva, Sel'khozizdat, 1962. 109 p. (MIRA 16:3)

1. Sekretar' rayonnogo komiteta Kommunisticheskoy partii  
Sovetskogo Soyuza Novo-Aleksandrovskogo rayona Stavropol'-  
skogo kraya (for Bichevoy). 2. Glavnyy zootekhnik kolkhoza  
"Rossiya" Novo-Aleksandrovskogo rayona Stavropol'skogo kraya  
(for Vrana).

(Feeds)

TOMME, M.F., prof., doktor sel'khoz. nauk, red.; KRYLOV, G.A., red.;  
YEMEL'YANOV, F.V., red.; KARTASHEVA, N.M., red.; ANTONOVA,  
N.M., tekhn. red.

[Forage quality of corn]Kormovoe dostoinstvo kukuruzy. Pod  
red. M.F.Tomme. Moskva, Izd-vo M-va sel'.khoz.SSSR, 1959.  
413 p. (MIRA 16:4)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut  
zhivotnovodstva. 2. Chlen-korrespondent Vsesoyuznoy sel'sko-  
khozyaystvennoy akademii im. V.I.Lenina i Vsesoyuznyy nauchno-  
issledovatel'skiy institut zhivotnovodstva (for Tomme).  
(Corn as feed)

KLEYMENOV, N.I., kand. sel'khoz. nauk; KARTASHEVA, N.M., red.;  
KOBYAKOVA, G.N., tekhn. red.

[Effectiveness of the various types of feeding calves with  
varying consumption of milk] Effektivnost' razlichnykh  
tipov kormleniia teliat pri raznom raskhode moloka. Mo-  
skva, Sel'khozizdat, 94 p. (MIRA 17:1)  
(Calves--Feeding and feeds) (Milk as feed)

[illegible]

CA KARTASHEVA, N.V.

$\beta$ -Glucosidase in the brain. N. V. Kartasheva and V. I. Rozengart (V. M. Bekhterev Psychoneurol. Inst., Leningrad). *Biochimiya* 15, 168-72 (1950). —  $\beta$ -Glucosidase is absent in the brain of man, rabbit, and cat. If sterile conditions are not maintained, the incubation of brain tissue with salicin does lead to the formation of glucose, the  $\beta$ -glucosidase having been supplied by contaminating microorganisms (streptococci and staphylococci). H. Priestley

ROZENGART, V.I.; KARTASHEVA, N.V.

Effect of tetraethylpyrophosphate on the ultraviolet absorption  
spectrum of purified esterase. Biokhimiia 24 no.4:672-678  
J1-Ag '59. (MIRA 12:11)

1. Laboratoriya biokhimii Instituta toksikologii Akademii  
meditsinskikh nauk SSSR, Leningrad.  
(PYROPHOSPHATES chem.)  
(ESTERASES chem.)

L 33147-65

S/0000/64/000/000/0032/0044

ACCESSION NR: AT5005505

AUTHOR: ~~Kartasheva, S. P.~~ Kartashev, V. I.

TITLE: An encoding algorithm for automata

SOURCE: AN UkrSSR. Institut kibernetiki. Kibernetika i tekhnika vychisleniy (Cybernetics and computer engineering). Kiev, Naukova dumka, 1964, 32-44

TOPIC TAGS: coding, coding algorithm, automaton, digital computer, adjacent code

ABSTRACT: The problem of encoding the states of an automaton is encountered in the synthesis of automata used in digital computers. The encoding process is based on the fact that to each state of an automaton there corresponds a sequence of states of elementary automata with memory which possess a complete system of transitions and outputs. In real systems, arbitrary encoding of the states of an automaton can cause "run-away" conditions. To prevent this, the adjacent states of an automaton are encoded by adjacent codes, i.e. by codes whose number of digits differs only by unity. An automatic machine is represented by a flow graph  $(X, \Gamma)$ , where  $X$  is the set of states of the machine which correspond to the vertices of the graph, and  $\Gamma$  is the mapping of the graph  $(X, \Gamma)$  which defines the sequence of changes in the

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ACCESSION NR: AT5005505

states of the machine. The authors show that the problem of encoding adjacent states of an automaton by adjacent codes reduces to finding a mapping of the automaton graph into a filled graph of 0 order (graph of an n-dimensional cube) which preserves the adjacency of any arbitrary pair of vertices of the automaton graph. To every mapping of the graph of the automaton A into a 0 order graph there corresponds a collection B of adjacent codes which satisfies the automaton A. The evaluation of the mapping of the graph of an automaton A with M states is equivalent to finding some equivalent circuit (chain) on the 0 order graph which includes M vertices of the graph. Such an elementary circuit is found in two steps. The first step evaluates the weights of the sequential vertices of the elementary circuit and the second step evaluates the vertices of the 0 order graph which could belong to the elementary circuit. The second step requires the use of two tables: main and auxiliary. A separate square in these tables is assigned to the code of every state. One selected code is placed in the main table and all other variations of this code are stored in the auxiliary table. A numerical example is given by the author. Orig. art. has: 1 formula, 2 figures and 3 tables.

ASSOCIATION: None

SUBMITTED: 14Oct64

NO REF SOV: 003

Card 2/2

ENCL: 00

OTHER: 002

SUB CODE: DF

KAMTASHOVA, T.T.

Harmful sawflies in Kirghizistan. Zashch. rast. ot vred. i  
kol. 9 no. 10:41-42 '64 (MIRA 18:1)

1. Institut biologii AN Kirgizskoy SSR.

~~KARTASHEVA, V.~~

"Manual on examination of the cerebrospinal fluid" by G.P.Burman,  
A.TS. Voznaia. Reviewed by V.Kartasheva. Lab.delo 3 no.5:59-60  
S-C '57. (MIRA 11:2)

(CEREBROSPINAL FLUID--ANALYSIS)  
(BURMAN, G.P.) (VOZNAIA, A.TS.)

TYURIN, N.A.; KARTASHEVA, V.I.

Pulmonary atelectasis in a child during a seizure of bronchial asthma. Vop.okh.mat.i det. 7 no.7:76-78 J1 '62. (MIRA 15:11)

1. Iz kliniki detskikh bolezney (zav. - deystvitel'nyy chlen AMN SSSR prof. Yu.F.Dombrovskaya) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova.  
(ASTHMA) (LUNGS---COLLAPSE)

ARCHANGEL'SKIY, G.I., prof.; KALACHOVA, V.M., kand. med. nauk; SOBOLEVA,  
K.F., aspirant

Hygienic aspects of the "Pipeline" and DU-150 arrangements for milking  
parlors. Veterinariia 41 no.12:65-68 D '64. (MIRA 18:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy  
sanitarii.

USSR/Microbiology - Microorganisms Pathogenic to Humans and  
Animals.

F-4

Abs Jour : Ref Zhur - Biol., No 10, 1953, 43339

Author : Arkhina, E.V., Popova, N.V., Kartasheva, V.N.

Inst : -

Title : Experimental Infection of Rabbits with an Avisual Strepto-  
coccal Form ("AS" Falkovich).

Orig Pub : Nauchn. tr. Mosk. n.-i. in-t vaktsin i syvorotok, 1955,  
6, 83-86.

Abstract : No abstract.

Card 1/1

30

KARTASHOVA, V. N.

PA 14/49T40

USSR/Medicine - Infection, Experimental Jul/Aug 48  
Medicine - Diseases

"Pathologic Anatomy of Diseases in Guinea Pigs  
That Were Experimentally Inoculated With Oxford's  
Vole Strain," V. N. Kartashova, Gen State Sol Res  
Control Inst Imeni Prof Tarasovich and Chair of  
Pathol Anat, Moscow Med Inst, Ministry Pub Health  
RSFSR, 7 pp

"Arkhiv Patolog" Vol X, No 4

Based on data obtained from experiments on guinea  
pigs author concludes that in some guinea pigs, in-  
fection caused by Oxford's Vole Strain injections

14/49T40

USSR/Medicine- Infection, Experimental Jul/Aug 48  
(Contd)

terminated in death of test animal prior to  
generalization of disease. Particularly true in  
those animals that were intraperitoneally injected  
with Oxford Vole Strain.

14/49T40

KARTASHEVA, V.N.; KOSTYUKOVA, N.N.; DIDUKH, M.S.

Study of histochemical and immunological changes in the  
body of guinea pigs following immunization with diphtheria  
anatoxin. Zhur. mikrobiol., epid. i immun. 40 no.3:34-39  
Mr '63. (MIRA 17:2)

1. Iz Moskovskogo instituta vaktsin i syvorotok imeni  
Mechnikova.

RIUKHADZE, I Z.; PRYAMUKHINA, N.S.; KARTASHEVA, V.N.

Asymptomatic Salmonella infection in white laboratory rats. Zhur.  
mikrobiol., epid. i immun. 40 no.12:119-120 D '63.

(MIRA 17:12)

1. Iz Moskovskogo instituta vaktsin i syvorotok imeni Mechnikova.

KARTASHEVA, V.V.

PA 23/49T90

USSR/Medicine - Encephalitis,  
Complications and Sequels  
Medicine - Neurology

Sep/Oct 48

"Clinical Characteristics of Japanese Encephalitis  
in the Stage of Convalescence and Aftereffects,"  
I. S. Glazunov, V. V. Kartasheva, R. M. Khvan,  
Inst of Neurol, Acad Med Sci USSR, 5 $\frac{1}{4}$  pp

"Nevropatol i Psikhiat" Vol XVII, No 5

Authors have investigated over 300 cases. Results  
are analyzed and discussed. Submitted 2 Jul 48.

23/49T90

Changes in the cerebrospinal fluid and in the blood in Russian tick-borne (epidemic) encephalitis. V. V. Kurta-Neva, Zh. Nevropat. i Psikiat. in. Kirovskaya-32, No. 2, 38-41 (1952).—A study was made of the cerebrospinal fluid (CSF) of 47 patients in the subacute and chronic stages of the disease. The following were found in the CSF of patients in the acute stages of the disease: (1) increased protein and white cell count; (2) a predominance of neutrophils in the early days of the disease; (3) a correlation between the protein-cellular content of the cerebrospinal fluid and the intensity of the meningeal inflammation; (4) a change in the chemistry of the CSF and in the blood, indicating a disturbance in the blood-fluid barrier to sugar in 77.7% and to NaCl in 74% of the patients; shifts in the carbohydrate metabolism were in the direction of hyperglycemia; the coeff. of permeability to NaCl indicated the presence of hyperchloremia in 62% of the patients and hypochloremia in 12%; (5) a normal sugar content in the blood of all the patients and no sharp changes in the NaCl; (6) an increase in the permeability of the hemato-encephalitic barrier to sugar and to NaCl and a deficient assimilation of injected glucose; (7) the composition of the CSF in the subacute stages of the disease was identical with that of the acute stages; it was clear and colorless; (8) increased globulin in the CSF in the subacute stage; in the greater part of the patients formed elements increased from 1/3 to 100/3; the ratio between the protein and the cells in 64.8% of the patients was such as to indicate cellular disorganization; (9) a change in the carbohydrate metabolism which reduced the blood sugar to a low-normal level in the majority of the patients and to 62-74 mg. % in 20% of the patients; the NaCl content of the blood was frequently

Shat. 7 Neurology,  
AMS USSR

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KARTASHEVA, V. Y.

reduced to 300-50 mg. % and of the CSF to 650-700 mg. %; an increased NaCl content of the CSF was encountered very infrequently; (9) changes in the permeability to sugar resulting in hyperglycorrhachia in 85.6% of the patients and to NaCl resulting in hyperchlorrhachia (% not indicated). Such changes occurred most frequently in encephalitis, radiculoneuritis and other weakly defined forms of the disease.

E. S. Levine

2/2

IASHEVA, V. V.

Changes in the cerebrospinal fluid and in the blood in Japanese encephalitis. V. V. Iasheva. Zhur. Nervn. patol. i Psikhiatrii 52, No. 6, 31-37 (1959). The protein content of cerebrospinal fluid (CSF) early in the disease is increased in 76% of cases to 0.36-0.39%; in 11.2% the protein increase reached 0.42-0.78%; and in only 6.8% was the protein increased to 0.76-2.0%. In the acute and subacute stages of the disease there invariably occurred an increase in the protein content of the CSF in 17.8% of the patients. In 93.7% of the cases the CSF protein content was 0.42-2.0% and only occasionally did it exceed 2.0%. Early in the acute stage of the disease the protein content in 80.8% of the patients was normal or slightly above normal (0.39%), and only occasionally did it reach the level of a hyperproteinosis. In the acute stage of the disease a hyperglycorrhachia was observed of 54-78 mg. % and a hypoglycorrhachia of 24-29 mg. %. In the majority of the patients in the subacute stage of the disease the blood-CSF permeability coeff. rose, resulting in a relative hyperglycorrhachia. In 60% of the cases the sugar content was reduced to 44-73 mg. %. In the acute stage of the disease the NaCl content of the CSF fell to 488-544 mg. % in some patients. In some patients the coeff. of permeability fell to 1.2-1.4, and in others to 1.6-1.7.

R. H. Levine

Inst. Neurology, AMS USSR

KARTASHEVA, V. V.

*Zhurnal Nevropatologii i Psikiatrii*

972. Kartasheva, V. V. 54,250-253, March, 1954. 3 figs., 7 refs.  
Changes in the Cerebrospinal Fluids in Poliomyelitis.

In poliomyelitis, while the interrelation between the number of cells and quantity of albumin in the cerebrospinal fluid (C.S.F.) during the first days and later is important, it is equally important to note the intensity of the globulin reaction and to determine the albuminglobulin ratio. The increase in albumin content in poliomyelitis is generally not significant and the albumin component remains normal or is decreased. In the meningeal form of poliomyelitis the decreases in the quantity of albumin and the number of cells in the C.S.F. run parallel, whereas in other forms of poliomyelitis the cellular count decreases but there is a simultaneous increase in the albumin content. As this, however, may appear only in the later stages several investigations of the C.S.F. should be carried out. The glucose content is important in the differential diagnosis, but its increase has no prognostic value.

In differentiating between the meningeal forms of poliomyelitis and lymphocytic choriomeningitis it is important and helpful not only to consider the intensity of the globulin reaction and the increase in the albuminglobulin ratio, which is so characteristic of the latter, but also to note the changes in the cell count, which in poliomyelitis becomes normal very quickly, but in lymphocytic choriomeningitis remains high for a long time.

SO: Abstracts of World Medicine AWM Vol. 16 No. 4

H. W. Swann

KARTASHEVA, V. V.; LUNEV, D. K.

Differential diagnostic role of the peripheral blood in acute  
insult. Nauch. trudy Inst. nevr. AMN SSSR no.1:144-152 '60.  
(MIRA 15:7)

1. Institut nevrologii AMN SSSR.

(DIAGNOSIS, DIFFERENTIAL)  
(CEREBROVASCULAR DISEASE)

KARTASHEVA, V.V.

Observations on the state of the white blood cells in acute disorders of cerebral blood circulation. Lab. delo 10 no.3:133-135 '64.  
(MIRA 17:5)

1. Institut nevrologii (direktor - prof.N.V.Kononov) AMN SSSR, Moskva.

ZAYTSEVA, M.P.; KARTASHEVA, Ye.K.

Rheumatic fever occurrence in some occupational groups of  
workers. Vop.revm. 1 no.3:74-79 J1-S '61. (MIRA 16:4)

1. Iz organizatsionno-metodicheskogo otdela (zav. - prof. B.G.  
Leyt's) Gosudarstvennogo nauchno-issledovatel'skogo instituta  
revmatizma (dir. - deystvitel'nyy chlen AMN SSSR prof. A.I.  
Nesterov) Ministerstva zdavookhraneniya RSFSR.  
(RHEUMATIC HEART DISEASE)

LUTKOV, A.N.; PANIN, V.A.; PANINA, Ye.B.; KARTASHEVA, Z.P.;  
SHCHIPACHEVA, E.N.

Polyploid sugar beets. Priroda 52 no.11:59-61 '63.  
(MIRA 17:1)  
1. Institut tsitologii i genetiki Sibirskogo otdeleniya AN  
SSSR, Novosibirsk.

*KARTASHEVSKAYA, V. Ye.*

**KARTASHEVSKAYA, V.Ye.**

Work of the All-Union Scientific Research Institute of Metrology  
in the field of radiant energy during the past 40 years. Izv. tekhn.  
no. 6:81-84 N-D '57. (MIRA 10:12)  
(Photometry) (Colorimetry) (Optical measurements)

KARTASHEVA, Yu.I., meditsinskaya sestra (Moskva)

On the history of Russian neurosurgery. Med. sestra no.12:23-25  
D '55. (MLRA 9:3)

1. Institut neyrokhirurgii AMN SSSR.  
(NERVOUS SYSTEM--SURGERY)

**KARTASHEVA, Yu. I.,** meditsinskaya sestra (Moskva)

Role of the nurse in aiding patients with the obstructive hydro-  
cyphalic attacks. Med. sestra 15 no. 6:24-26 Je '56. (MLRA 9:8)  
(HYDROCEPHALUS) (NURSES AND NURSING)

KARTASHEVSKAYA, V.Ye.

Design of an original lamp for distributing the illuminating power  
in the whole visible spectrum range. Trudy VNIIM no.8:3-44 '49.  
(Electric lamps) (MIRA 11:6)

KARTASHEVSKAYA, V.Ye.

Standard copy of a new basic standard of light flux unit. Trudy  
VNIIM no.8:45-58 '49. (MIRA 11:6)  
(Optical instruments)

KARTASHEVSKAYA, V.Ye.

Determining the spectral sensitivity of the eye. Trudy VNIIM no.17:  
3-16 '52.

(MIRA 11:6)

(Color sense)

S/112/59/000/016/020/054  
A052/A002

Translation from: Referativnyy zhurnal, Elektrotehnika, 1959, No. 16, p. 117,  
# 34340

AUTHORS: Boyko, A. N., Volkova, Ye. A., Kartashevskaya, V. Ye., Korndorf, V. A.

TITLE: Measurements in the Field of Radiant Energy

PERIODICAL: Tr. Vses. n.-i. in-ta metrol., 1958, No. 33 (93), pp. 119-134

TEXT: The fields and contents of the works carried out by the department of radiant energy of the Institute are described. The works include the following fields: photometry, calorimetry, actinometry, sensitometry and optical measurements. Devices developed and manufactured for own laboratory needs and for outside organizations are listed.

V. P. R.

Translator's note: This is the full translation of the original Russian abstract.

1. Rukovoditel' otдела luchistoy energii Vsesoyuznogo nauchno-issledovatel'skogo instituta metrologii imenii D. I. Mendeleeva  
Card 1/1 (for Boyko).

S/058/62/000/007/034/068  
A061/A101

AUTHOR: Kartashevskaya, V. Ye.

TITLE: Experimental determination of the light equivalent of radiant power

PERIODICAL: Referativnyy zhurnal, Fizika, no. 7, 1962, 19, abstract 7G168  
("Tr. in-tov Kom-ta standartov, mer i izmerit. priborov pri Sov.  
Min. SSSR", 1961, no. 56 (116), 36 - 46)

TEXT: Results are presented regarding the light equivalent of radiant power as determined experimentally by two sets of measurements of one and the same radiant flux: one visual in lumens, and the other in watts using a thermal column provided with a liquid absorbent reproducing, according to the spectrum, the values of the relative visibility. It has been established that the experimental value of the light equivalent differs from the calculated value within the limits of measurement accuracy. ✓

[Abstracter's note: Complete translation]

Card 1/1

KARTASHEVSKAYA, V.Ye.

A method for measuring radiant intensity in a beam of small cross section. Trudy Inst.Kom.stand., mer 1 izm.prib. no.56: 47-58 '61. (MIRA 15:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii im. D.I.Mendeleyeva.

(Photometry)

ANDREYEVA, T.N.; ~~ZARTASHEVSKAYA~~, V.Ye.; SKACHKOVA, S.P.

Apparatus for checking selenium luxmeters. Trudy Inst.Kom.stand.,  
mer 1 izm.prib. no.56:59-65 '61. (MIRA 15:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii  
im. D.I.Mendeleyeva.

(Photometry)

L 34007-66

ACC NR: AR6017184

SOURCE CODE: UR/0058/65/000/012/A023/A023

AUTHOR: Kartashevskaya, V. Ye.TITLE: Optical measurements at VNIIM

SOURCE: Ref. zh. Fizika, Abs. 12A235

REF SOURCE: Tr. in-tov Gos. Kom-ta standartov, mer i izmerit. priborov-SSSR, vyp. 76(136), 1965, 258-265

TOPIC TAGS: scientific standard, metrology, optic measurement, optic research facility

ABSTRACT: The author describes briefly the history of the development of the photo-metric laboratory of VNIIM, organized by D. I. Mendeleev in 1900-1901 and re-organized in 1925-1924 after its shutdown in 1918. The main purpose of the laboratory is unification of measurements in the field of optical quantities. The main activities of the labroatory are: 1) standardization work; 2) development of methods of exact optical measurements and special measuring apparatus; 3) metrological investigations of sources of light, receivers of radiant power, and optical-engineering models and materials; 4) test work and certification; 5) development of standards, rules, norms, etc. The laboratory has published approximately 70 papers and developed approximately 50 instruments and installations. P. A. [Translation of abstract]

SUB CODE: 20

Card 1/1

YUR'YEV, Yu. K.; KONDRAT'YEVA, G. Ya.; KARTASHEVSKIY, A. D.

Heterocyclic compounds

Part 36. Conversion of  $\alpha$ ,  $\beta$ -dimethylfuran and  $\alpha$ ,  $\beta$ -dimethylfuranidine to corresponding nitrogen- and sulfur-containing heterocyclic compounds. Zhur. ob. Khim. 22 (84) No. 3, 1952. Laboratoriya Organicheskoy Khimii im. N. D. Zelinskogo Moskovskogo Ordena Lenina Gosudarstvennogo Universiteta.

SO: Monthly List of Russian Accessions, Library of Congress, August <sup>2</sup>1953, Uncl.

YUR'YEV, Yu. K., KONDRAT'YEVA G. YA., KARTASHEVSKIY, A. I.

Heterocyclic compounds

Part 36. Conversion of L.B.'-dimethylfuran and L.B.'-dimethylfuranidine to corresponding nitrogen-and sulfur-containing heterocyclic compounds. Zhur. ob. khim. 22(84) No. 3, 1952  
Laboratoriya Organicheskoy Khimii im. N. D.

Zelinskogo Moskovskogo Ordena Lenina Gosudarstvennogo Universiteta  
SO: Monthly List of Russian Accessions, Library of Congress, August 1953<sup>2</sup>, Uncl.

KARTASHEVSKIY, A I

AID P - 343

Subject : USSR/Chemistry  
Card : 1/1  
Author : Kartashevskiy, A. I.  
Title : Colorimetric determination of phenol in the mixtures of phenol and cresol  
Periodical : Neft. Khoz., v. 32, #5, 73-74, My 1954  
Abstract : Qualitative determination of the phenol in phenol and cresol mixtures is used for the control of selective purification of oil. The concentration of phenol-water solution is indicated by the intensity of color of the solution when treated by Millon's reagent. That the error in this method of determination does not exceed 1% is shown in two tables.  
Institution : None  
Submitted : No date

AUTHOR: Kartashevskiy, A.I.

65-6-13/13

TITLE: The production of oils from cracking residues. (Polucheniye masel iz kreking-ostatkov).

PERIODICAL: "Khimiya i Tekhnologiya Topлива i Masel" (Chemistry and Technology of Fuels and Lubricants) 1957, No. 6, pp. 68-72 (USSR).

ABSTRACT: An investigation of the composition of a laboratory cracking residue was carried out. Petroleum residues (Mazut) from the Bavlinsk crude was thermally treated in an autoclave at 450 C, under 25 atm pressure for 10 minutes. Cracking-residue was freed from asphalt in two stages at 70 and 85 C. The product obtained was treated with phenol and then deparaffinised by treatment with acetone, benzene and toluene at -20 C. Adsorption analysis of deparaffinised oil so obtained is given in table 1. 10.91% of oil of the type of Diesel lubricating oil D-II (ГОСТ 5304-54) containing 8.75% of naphthene and 21.56% of aromatic compounds was obtained. Similar experiments were repeated with industrial cracking residues (results in tables 2-6). It is concluded that by deasphaltisation and deparaffinisation of cracking residues Diesel lubricating oils can be obtained. There are 6 tables.

AVAILABLE:

Card 1/1

KARTASHOVSKIY, A.I., Cand Chem Sci--(diss) " Study of cracking residues  
of thermic cracking." Alma-Ata, 1958. 18 pp with graphs. (Kazakh State  
U in S.M.Kirov), 160 copies (K1,49-58,170)

KARTASHEVSKIY, A.I.; GUTSALYUK, V.G.; RAFIKOV, S.R.

Investigating the residues of thermal cracking. Izv.AN Kazakh.  
SSR.Ser.khim. no.2:102-110 '59. (MIRA 12:8)  
(Cracking process)

"Concerning the Use of Packaging Made from Corrugated Card-board for the Transportation of Preserved Blood," by A. F. Kondratyuk and N. G. Kartashevskiy, Chair of General Surgery (head, Prof M. S. Lisitsyn), of Naval Medical Academy and of the Leningrad Order of Red Banner of Labor Scientific Research Institute of Blood Transfusion (scientific director, Prof A. N. Filatov), Vestnik Khirurgii imeni I. I. Grekova, Vol 78, No 6, Jun 57, pp 132-136

In connection with the preservation of blood in ampoules at a constant temperature, a contest was announced by order No 784 of the Minister of Health USSR, on 20 October 1949, for the best model of "isothermic packaging" (packing material that would maintain blood at a constant temperature for a long period of time). Several models were presented, and the best were selected, but, unfortunately, up to the present none has been produced on an industrial scale. However, since under war conditions preserved blood has to be transported in large quantities in various directions and over bad roads, a discardable container was necessary.

To satisfy these requirements, isothermic containers have been prepared from corrugated cardboard, which have low thermal conductivity, and are dampproof, shock resistant, very sturdy and light.

The four sides, bottom, and lid, of such containers are made from 6-11 layers of corrugated cardboard or corrugated paper, depending on the volume of the box. The boxes contain crosspieces, or cardboard stacked in a manner similar to cartons for eggs or small fragile glass instruments, and resembling a honey comb. These boxes are made in various sizes that can contain 12, 20, or 36 ampoules, prepared by the Central Order of Lenin Institute of Blood Transfusion. They can maintain blood at a constant temperature for 38 hours when the ambient temperature varies from  $+30^{\circ}$  to  $-30^{\circ}$ . This efficiency is increased by additional cooling or heating which is done by packing water at  $+30$  to  $+50$ , inside the container, to maintain the blood ampoules at the usual plus three to plus eight degrees.

Corrugated cardboard possesses high durability and shock-absorbing qualities, and packing material made from corrugated cardboard for the transportation of preserved blood is a satisfactory solution for all the conditions specified by the order from the Minister of Health USSR. (U)

*Sum N 1467*

KARTASHEVSKIY, N.G., polkovnik med. sluzhby, dots.

Prolongation of storage periods for preserved blood. Voen. med. zhur.  
no.3:6-12 Mr '58. (MIRA 12:7)

(BLOOD, PRESERVED  
prolongation of storage periods (Ris))

EXCERPTA MEDICA Sec 9 Vol 13/6 Surgery June 59  
3036. (884) TRANSFUSION OF STORED COOLED BLOOD (Russian text) -  
Kartashevskii, N. G. - VESTN. KHIR. 1958, 81/8 (7-10) Tables 1  
Blood preserved by A. D. Belyakof's method and stored for periods varying from 7  
to 73 days at a temperature of either from +4 to +5, +4 to -12 or at -15° C. was  
used in 52 transfusions in quantities of 300 to 1250 ml. The results were satis-  
factory; there was only once a slight reaction manifested by a short shivering and a  
rise of temperature to 37.5° C. No complications caused by the longstanding blood  
storage could be traced. Clinical observations suggest the possibility of using  
cooled blood stored 70-75 days, and its routine use is advocated by the author.

*Clinic of General Surgery No. 2*

*Mil Med. OL Acad. in S. M. Kirov*

KARTASHEVSKIY, N.G. (Leningrad, nab. Kutuzova, d. 12, kv. 8)

Total colectomy in multiple polyposis of the large intestine.

Vest.khir. 82 no.2:104-106 F '59.

(MIRA 12:2)

1. Iz kliniki obshchey khirurgii No.2 (nach. - prof. M.S. Lisitsyn)  
Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.

(INTESTINE, LARGE, neoplasms

polyposis, surg., total colectomy (Rus))

(POLYPI, surg.

total colectomy in large intestine polyposis (Rus))

KARTASHEVSKIY, N.G.; BARKOV, G.I.; FEDOROVA, I.G.; FROLENKO, G.I.

New plastic package for the storage of preserved homotransplants.  
Vest.khir. no.7:112-115 '61. (MIRA 15:1)

1. Iz Leningradskogo ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skogo instituta peralivaniya krovi (dir. - dotsent A.D. Belyakov, nauchnyy rukovoditel' - prof. A.N. Filatov) i Nauchno-issledovatel'skogo instituta tokov vysokoy chastoty im. prof. V.P. Vologdina (dir. - kand.tekh.nauk M.A. Spitsyn, zam. dir. po nauchnoy chasti - kand.tekh.nauk N.P. Glukhanov).  
(TRANSPLANTATION OF ORGANS, TISSUES, ETC.—EQUIPMENT AND SUPPLIES)

KARTASHEVSKIY, N. G., doktor med. nauk

Sectional frame-canvas box for preparing preserved blood. Probl.  
gemat. i perel. krovi 7 no.7:15-18 J1 '62. (MIRA 15:7)

1. Iz Leningradskogo instituta perelivaniya krovi (dir. - dotsent  
A. D. Belyakov, nauchnyy rukovoditel' - chlen-korrespondent AMN  
SSSR prof. A. N. Filatov)

(BLOOD--COLLECTION AND PRESERVATION)

FILATOV, A.N., prof.; KARTASHEVSKIY, N.G.; MEL'NIKOVA, V.N.; SOBOLEV, V.K.  
(Leningrad)

Possibility of utilizing a cadaver lung as a dialyzing system in renal insufficiency instead of the artificial kidney; experimental study. Pat. fiziol. i eksp. terap. 6 no.3:49-52 My-Je'62  
(MIRA 17:2)

1. Iz laboratorii konservirovaniya i peresadki tkaney Leningrad-skogo nauchno-issledovatel'skogo instituta perelivaniya krovi (nauchnyy rukovoditel' instituta - chlen-korrespondent AMN SSSR, zasluzhennyy deyatel' nauki prof. A.N. Filatov, direktor - dotsent A.D. Belyakov).

KARTASHEVSKIY, N.G.; DEKSTER, B.G.

New plastic containers for the preservation and storage of  
homotransplants and biological preparations. Probl. gemat. i perel.  
Krovi 8 no.9:39-43 S '63. (MIRA 17:9)

1. Iz Leningradskogo ordena Trudovogo Krasnogo Znameni nauchno-  
issledovatel'skogo instituta perelivaniya krovi (dir. - dotsent A.  
D.Belyakov, nauchnyy rukovoditel' - chlen-korrespondent AMN SSSR  
prof. A.N.Filatov).

KARTASHEVSKIY, N.G. (Leningrad D-187, Naberezhnaya Kutuzova, d.12, kv.8);  
MEDVEDEV, P.M.

Organization of collection and preservation of human tissues  
for clinical purposes. Ortop., travm. i protez. no.9:24-26 '62.  
(MIRA 17:11)

1. Iz laboratorii konservirovaniya i peresadki tkaney (zav. -  
prof. N.G. Kartashevskiy) Leningradskogo instituta perelivan'ya  
krovi (dir. - dotsent A.D. Belyakov, nauchnyy rukovoditel'.  
zhur.-korrespondent AMN SSSR prof. A.N. Filatov).

KARTASHEVSKIY, Yu. V.

USSR/Electricity - Personalities

Nov 51

"Professor A. V. Orlovskiy (His 50th Birthday and 25 Years of Pedagogical and Public Activity)" Prof A. D. Nesterenko, Corr Mem, Acad Sci Ukrainian SSR, Prof I. I. Greben', Dr Tech Sci, Docent V. G. Kholmskiy, Cand Tech Sci, K. V. Zubanov, Chief Engr, Kieven-  
ergo, Yu. V. Kartashevskiy, Chief Engr, Glavenergo MKKH, Ukrainian SSR, A. S. Tarasov,  
Dir, Kiev Heat and Power Sta, A. A. Zayko, Engr

"Elektrichestvo" No 11, p 91

Orlovskiy has been head of the Chair of Central Elec Power stations, Kiev Polytech Inst since 1937, and Dean of the Elec Engineering Faculty of the latter institute since 1944. At present, he is directing work in the Kiev Polytech Inst on the problem of generating reactive power in mercury-converter units. Orlovskiy has trained more than 1,500 elec engineers.

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31254

S/207/61/000/005/014/015  
D237/D303

also 3108, 3008

11.8700

AUTHORS: Apin, A.Ya., Voskoboynikov, I.M., Kartashiv, Yu.A.,  
and Lyutov, V.D. (Moscow)

TITLE: Determining polytropic indices of products of the  
explosion of condensed explosives

PERIODICAL: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki,  
no. 5, 1961, 117 - 118

TEXT: Adiabatic of the explosion products in the front of blast  
wave can be described by

$$p = A \tau^{-n}, \quad (1)$$

where n depends on the composition of products, their pressure and  
temperature. Using the data of A.N. Dremine and P.F. Pokhil (Ref. 1:  
DAN SSSR, 1959, v. 128, no. 5), A.Ya. Apin and I.M. Voskoboynikov  
(Ref. 2: PMTF, 1960, no. 4) and A.N. Dremine and G.A. Adadadurov in  
(Ref. 3: Izv. AN SSSR, OKHN, 1960, no. 6) the authors show that in  
a wide interval of temperature and pressure, polytropic index of

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Determining polytropic indices ...

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explosion products can be represented as a sum of polytropic indices of components of the products of explosion, i.e.

$$n^{-1} = \sum \beta_i n_i^{-1} \quad (3)$$

where  $\beta_i$  - molar fraction of the component. There are 1 figure and 4 Soviet-bloc references.

SUBMITTED: June 15, 1961

Card 2/2

X

KARTASHKIN, B.A., inzh.; EL'KIND, Yu.M., kand.tekhn.nauk

Spallation of rotor-spoke shoulders in a hydraulic generator.  
Elek.sta. 31 no.1:41-46 Ja '60. (MIRA 13:5)  
(Turbogenerators)

KARTASHKIN, B.A., inzh.; KULAKOVSKIY, V.B., kand.tekhn.nauk; EZRINA,  
I.V., inzh.

Methods for mechanical tests of insulation in electric  
machines. Vest.elektroprom. 31 no.2:33-37 F '60.  
(MIRA 13:6)

(Electric machinery)  
(Electric insulators and insulation--Testing)

S/110/61/000/002/002/009  
E194/E455

AUTHORS: Dobrovol'skiy, I.P., Engineer,  
Kartashkin, B.A., Engineer, Kopytov, V.D., Engineer,  
Skoryy, I.A., Candidate of Physical and Mathematical  
Sciences

TITLE: An Investigation by the Photo-Elasticity Method of the  
Stresses in the Assemblies Used to Fix the Active Steel  
in Hydro-Alternators

PERIODICAL: Vestnik elektropromyshlennosti, 1961, No.2, pp.8-13

TEXT: The assemblies used to secure the stator cores in hydro-  
alternators sometimes fail, principally near the welds. The  
assembly is loaded by the radial magnetic attraction of the poles  
and by tangential forces due to electromagnetic torque. The ratio  
of these loadings is different under different conditions and as yet  
sufficiently reliable methods of determining them do not exist.  
These loadings and the places of highest stress are usually  
determined by full-scale tests on assemblies, using strain gauges.  
The location of the strain gauges is selected arbitrarily. For  
accurate design it is necessary to determine separately the  
stresses due to the axial and radial loading so as to assess their  
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## An Investigation by the Photo-Elasticity Method ...

combined action. Then when full-scale tests are made, the strain gauges can be placed at the most significant points. It is also important to determine the stress distribution in the thickness of the rings that support the keying ribs. Stress changes resulting from alterations in the rigidity of the joints are also important. It is not possible to study all these problems by means of full-scale tests. Accordingly, tests were made by the photo-elasticity method, using transparent models in polarized light. This method is effective for determining the stress distribution over the whole range and, moreover, no initial stresses are introduced in the manufacture of the models which could distort the results. The principles of the photo-elastic methods of stress determination are briefly explained. It is noted that, if the models are heated under load to a temperature of 100 to 150°C and then slowly cooled under load to room temperature, the stress condition may be retained in the model and is not altered when it is sectioned. By this means, the sections may be studied to determine the stress distribution throughout the body of the model. This method was used in making

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An Investigation by the Photo-Elasticity Method , , ,

the study. Fig.1 shows a model of a fixing assembly consisting of a support ring 1 which is fixed to the stator frame of the alternator, a block 2 welded to the ring and a keying rib 3 welded to the block. In an actual machine there are several rings but, to avoid difficulties in modelling, only an individual assembly was studied. The model was made on a scale of 1/5. To study the influence of assembly rigidity, three methods of fixing were used. In the first, the ring and keying rib were made in one solid piece. In the second and third, the assemblies were made of separate parts stuck together to imitate welds of different kinds. Each of the models was tested under radial and tangential loading applied mechanically; stresses were determined at four sections. Curves of equal slope of main stresses (isoclines) and trajectory of main stresses (isostats) were constructed. The differences in the principal stresses were determined along the selected sections: by integration of the equilibrium equation, the detailed stress distribution was determined. With radial loading, stress concentrations were observed in sections of the ring close to the Card 3/8

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An Investigation by the Photo-Elasticity Method ...

keying rib in the region between the welded joints. As the distance from the wedge increases, the distribution of stress over the ring thickness becomes more uniform. With tangential loading the stress distribution did not depend much on the method of constructing the model. Stress peaks are observed in places near the side faces of the block. Here, all three stresses are considerable and should be allowed for in assessments of strength. The results obtained by the photo-elasticity methods were compared with strain gauge test results on radially-loaded models fabricated in metal and annealed before test to remove remanent stresses. The stress distributions obtained by the two methods were compared. By the photo-elasticity method, the conditions of equilibrium are fulfilled to within 6 to 7%, whereas the tests on metal models in the corresponding sections indicate that the conditions of equilibrium are fulfilled to within 40%. The difference is due to bending of the rings that occurs in the tests on the metal models. Because of the test conditions, most of the strain gauges are fixed to one side of the ring. A few gauges

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An Investigation by the Photo-Elasticity Method ...

fixed on the other side demonstrated the presence of bending, which altered the stress distribution by 20 to 30% as compared with uniform distribution throughout the thickness. Because of the small number of strain gauges on the lower side, it was not possible to make allowance for bending when the results were worked out. It should be noted that when stresses are determined on a transparent model, the method is such that the measured stresses are averaged out over the thickness of the ring and the results are not affected by bending. It is possible to calculate the stress distribution for the case of radial loading; experimental and calculated values are compared; there are certain differences for which an explanation is offered. On consideration of the general picture of stress distribution under the influence of radial and tangential loads, as determined by the photo-elasticity method, certain recommendations may be made for full-scale testing. If the strain gauges are fixed on the axis of symmetry of the block, where the stresses are only due to the action of radial forces, the magnitude of the radial force may

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An Investigation by the Photo-Elasticity Method ...

readily be calculated. With this knowledge, it is possible to calculate the stresses due to radial loading in the ring on both sides of the axis of symmetry of the block. Then, if strain gauges are fitted in these places, it is possible to obtain the stress distribution due to tangential loading by subtracting from the total stress the stress due to radial loading. Here, it is of considerable assistance to note that the stress distribution due to tangential loading is obliquely symmetrical. Hence, by adding together the indications of two symmetrically-located strain gauges, its effect may be neutralized and the stress due to the radial force may be determined more accurately. Strain gauges for measuring stress should be fixed to the ring at a distance from the block of not less than 1.5 times the thickness of the ring. At this distance, the influence of irregularities in the stress distribution within the thickness of the ring will be without effect. It is also advisable to fix check strain gauges on the opposite side of the ring, to exclude errors that may be introduced by bending. The tests by the photo-elasticity

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An Investigation by the Photo-Elasticity Method ...

method were made by the Laboratoriya opticheskogo metoda issledovaniya napryazheniy (Laboratory for the Optical Method Research of Stresses) MGU jointly with the section for dynamic research of Laboratoriya elektricheskikh mashin (Laboratory for Electrical Machinery) VNIIE, and those by the strain gauge method by the above named laboratory of VNIIE at the Institut elektrosvarki imeni O.Ye.Patona (Electric Welding Institute imeni O.Ye.Paton). There are 11 figures.

SUBMITTED: March 17, 1960

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S/110/61/000/002/002/009  
E194/E455

An Investigation by the Photo-Elasticity Method ...

Fig.1.

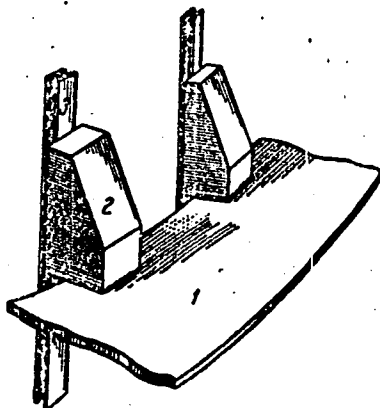


Рис. 1. Схема конструкции узла крепления

Card 8/8

KARTASHKIN, B.A., inzh.; KHURGIN, M.E., inzh.

Resonant vibrations of the stator of a hydrogenerator. Vest.  
elektroprov. 32 no.11:10-13 N '61. (MIRA 14:11)  
(Turbogenerators--Vibrations)

DOBROVOL'SKIY, I.P., inzh.; KARTASHKIN, B.A., inzh.; KOPYTOV, V.D., inzh.;  
SKORYY, I.A., kand.fiziko-matematicheskikh nauk

Use of the photoelectric method for studying the stresses in the  
active steel joints of hydrogenerators. Vest.elektroprom. 32  
no.2:8-13 F '61. (MIRA 15:5)  
(Turbogenerators) (Photoelasticity)

KARTASHKIN, B.A., inzh.

Welded joints fastening the active steel of hydrogenerator stators.  
Vest. elektroprom. 34 no.1:39-43 Ja '63. (MIRA 16:1)  
(Hydraulic turbines) (Turbogenerators)

KARTASHKIN, B.A., kand.tekhn.nauk; FRADO FERNANDES, Km., Inzh.; EL'KIND, Yu.M.,  
kand.tekhn.nauk

Vibration of the structural joints of the stator of a hydrogenerator.  
Elek. sta. 36 no.8:41-45 Ag '55.

(MIRA 18:3)

KARTASHKIN, B.A., kand. tekhn. nauk; EL'KIND, Yu.M., kand. tekhn. nauk

Method for determining stresses in the stator steel joints of a  
hydrogenerator. Elektrotehnika 36 no.8:49-52 Ag '65.

(MIRA 18:9)

KARTASHKOV, A. N.

"Preparation from Lard of Titrated Soap Solution for the Determination  
of Calcium Salts," Zavod. Lab., 14, No.8, 1948.

Kiev Affil., Inst. Sugar Industry

KARTASHKOV, N.

Changes. Pozh.delo 7 no.12:5-6 D '61. (MIRA 14:11)

1. Zamestitel' ministra vnutrennikh del Mordovskoy ASSR.  
(Mordovia--Fire prevention)

KARTASHOV, A.; OTRYASHENKOV, Yu., kand.tekhn.nauk

High-reliability equipment (conclusion). Kryl.rod. 14 no.3:  
28-29 Mr '63. (MIRA 16:4)

(Airplanes--Model)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

ca

Determining nitrogen by hydrogenation. A. K. KANTASHOV. *Nauchnoe Zapiski Sibirskoi Prom. A.* 434-42(1929); *Litvy Chetov* 7, 66, No. 31; *Russkoly* No. 6, 21. The org. matter is burned in a current of  $NH_3$  and superheated steam in an elec. furnace. The vapors are passed into an absorbent and the  $NH_3$  is titrated directly. The app. is described.  $Ni$  is the catalyst. The method is simple and rapid, the accuracy approaches that of the Kjeldahl method. Molasses yields a higher value than with the Kjeldahl.

FRANK MARSH

7

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

ASH-LEA METALLURGICAL LITERATURE CLASSIFICATION

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

PRECISES AND PROPERTIES INDEX									
<p><i>Handwritten: CH</i></p> <p>Determination of color with V. Morfeld-Hoffmann's polarization-photometer. -            J. B. MINTY AND A. K. KANTANOV, <i>Nash, Zepiski's. Trubrov's</i> from 10, 257-07(1931).            The app. and its use are described. V. K. BAIKOV</p>									
<p>ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>									
<p>1930-1939 1940-1949 1950-1959 1960-1969 1970-1979 1980-1989 1990-1999 2000-2009 2010-2019 2020-2029</p>									

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1

CA

28

Combined method for decolorizing the thick and thin juices with chlorine and norite. I. B. MINTE, A. K. KARTABIKOV AND N. S. TRUFIMOVSKII. *Nauk. Zapiski Tashkent Prom. 13, NR3:7(1931)*. Carbonation and thick juices treated with Cl and norite (3% on the wt. of juice) can be entirely decolorized. Cl treatment brings the pH to 3.5-4.0 and coagulates all colloids. Further treatment by norite increases the pH to 6.7. The juices and greens were treated with chlorine water and then heated to 90° for 15-20 min. No formation of invert sugar was noticed. The juices are water white. Cl treatment facilitates the regeneration of norite. V. F. HAIKOV

ASAC-514 METALLURGICAL LITERATURE CLASSIFICATION

PROCESSES AND PROPERTIES INDEX																									
LIST AND 2ND ORDER													LIST AND 4TH ORDER												
<p><i>ca</i></p> <p>The volume of marc of normal weight of beets. I. B. MININ, A. K. KARTASHOV AND N. S. TRAPIMOVSKII. <i>Nauk. Zapiski Tashkent Prom.</i> 14, 483-484(1937). When hot digestion is used for sugar detn. in beets, the pulps and ppt. of Pb subacetate may adsorb varying amts. of sugar. Water extrn. under vacuum must be applied as a control method. The methods based upon the difference of amt. of sugar extrd. by digestion and by extrn. of total sugar by some other method for detn. of the vol. of hydrated marc must be rejected. The results of indirect methods for detn. of the vol. of marc occupied in a normal wt. of pulp vary between 1 and 2 cc. and depend upon the character of the beet.</p> <p>V. E. BAIKOV</p> <p><i>28</i></p>																									
<p>ASAC 55.6 METALLURGICAL LITERATURE CLASSIFICATION</p>																									

CA

28

Determination of ash in by-products of low purity by Tödt's apparatus. A. K. Kartashov and N. S. Trofimovskii. *Nash. Zapiski Tsukrovot Prom.* 10, No. 20, 201, 140-51 (1933).—A standard amt. of sugar is required for accurate detn. of ash in soln. by the Tödt app. If the product contains more than 3% of ash, the wt. of sample must be decreased. K. and T. propose to compensate the amt. of sugar in soln. to be tested by adding pure refined sugar. V. E. Baikov

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

PROCESSES AND PROPERTIES INDEX

28

Sugar losses in sugar manufacture. M. Ya. Degtyar.  
A. K. Kartanov and A. M. Ishenichnui. *Nauk.*  
*izdat. Tsvetkovsk. Prom. 10, No. 34, 1-12(1933).*--A  
report of the 1932-33 campaign in the Kamenogorskii  
sugar factory and description of weak points and their  
modification in order to decrease the sugar losses. 8  
V E. Balkov

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

PROCESS AND PROPERTIES INDEX																									
1ST AND 2ND ORDERS													3RD AND 4TH ORDERS												
<div style="display: flex; justify-content: space-between;"> <span>C1</span> <span>28</span> </div> <p>Clarification of beet-sugar products by ozone. I. B. Mintz, A. K. Kartashov and N. S. Trofimovskii. <i>Nash. Zapiski Tikhovsk. Prom.</i> 10, No. 34, 67-74 (1933).—Beet-sugar products are strongly decolorized by ozone, with improvement of taste and disappearance of the specific, unpleasant beet odor. A max. decolorization of 70-76%, without noticeable decompos. of sucrose, takes place at 50°. Higher temp. and alkali decompose the sugar. In all cases of ozonation the alkali decreases. Decolorization by ozone is unstable; further heating of the juices increases the coloration and sometimes the juice becomes darker than originally. Treatment of ozonized juice by SO<sub>2</sub> stabilizes the color of the beet juice. Even neutralization of the SO<sub>2</sub> by lime or soda does not reproduce the color. To obtain a decolorization effect of 70-76%, 1.2-1.3 g. of ozone per kg. of sirup is required. For ozonation of the sirup in a sugar factory of 1000-ton daily capacity, the elec. energy required will be 3000 kw. For ozonation of the greens only 1000 kw. is necessary. The cost of the process and instability of the decolorization will restrict its use in the sugar industry. V. E. Baikov</p>																									
<div style="display: flex; justify-content: space-between;"> <span>ASB-55A METALLURGICAL LITERATURE CLASSIFICATION</span> <span>REGION BOMILIV</span> </div>																									

1ST AND 2ND ORDER										3RD AND 4TH ORDER									
PROCESSES AND PROPERTIES INDEX																			
<p>CA</p> <p style="text-align: right;">28</p> <p>Determination of nitrogen in sugar-beet products.  A. Kartashov and N. Trofimovskii. <i>Nauk. Zapiski  Trudovogo Prosv.</i> 10, No. 35, 51-62 (1931). - A detailed de-  scription is given of N detn. by the micro Kjeldahl method  and by hydration in the presence of a catalyst. The  app. is described. Two examples and comparative tables  are given. V. E. Baikov</p>																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
1ST ORDER										2ND ORDER									
1ST GROUP										2ND GROUP									
1ST SUBGROUP										2ND SUBGROUP									
1ST SUBSUBGROUP										2ND SUBSUBGROUP									

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*ca*

Determination of sugar content in dry cosettes. 1. B. Mintz and A. K. Kartashov. *Nauch. Zapiski Sakharnoi Prom.* 17, Book 34, No. 10, 1-12(1934). For detn. of sugar in dry cosettes it is not necessary to chop it. Water digestion in flasks is made at a temp. of 55-60° with const. shaking. Higher temp. increases the solv. of optically active monosugars. From 17 to 18 cc. of Ph acetate per normal wt. is optimum. Vol. of marc of normal wt. of dry cosettes is 3.6-3.9 cc. or calcd. on raw cosettes is only 1.0-1.1 cc. With a const. moisture content in dry cosettes, the detn. of sugar can be made by Sachs-Le Dant method. Because of the presence of a large amt. of optical monosugars in dry cosettes, the Herzfeld Clerget method is recommendable with 143.47 as factor. The sample which is used for detg. reducing sugars must be clarified with neutral Ph acetate. V. E. Baikov

ASU, SEA METALLURGICAL LITERATURE CLASSIFICATION

ca

7

Volumetric method for determination of reducing substances in the presence of methylene blue as indicator  
 A. K. Kurlashnikov, *Vysok. Zapiski Nauchn. Pozn.* 12, No. 5, 6, 1961, 241 (1961). Description of a modification of Lyon and Lane's method (cf. C. I. 28, 1958).  
 A. P. Barlow

ASB-33A METALLURGICAL LITERATURE CLASSIFICATION

SECTION	SUBSECTION	CLASSIFICATION	DESCRIPTION
1	1.1	1.1.1	1.1.1.1
2	2.1	2.1.1	2.1.1.1
3	3.1	3.1.1	3.1.1.1
4	4.1	4.1.1	4.1.1.1
5	5.1	5.1.1	5.1.1.1
6	6.1	6.1.1	6.1.1.1
7	7.1	7.1.1	7.1.1.1
8	8.1	8.1.1	8.1.1.1
9	9.1	9.1.1	9.1.1.1
10	10.1	10.1.1	10.1.1.1
11	11.1	11.1.1	11.1.1.1
12	12.1	12.1.1	12.1.1.1
13	13.1	13.1.1	13.1.1.1
14	14.1	14.1.1	14.1.1.1
15	15.1	15.1.1	15.1.1.1
16	16.1	16.1.1	16.1.1.1
17	17.1	17.1.1	17.1.1.1
18	18.1	18.1.1	18.1.1.1
19	19.1	19.1.1	19.1.1.1
20	20.1	20.1.1	20.1.1.1
21	21.1	21.1.1	21.1.1.1
22	22.1	22.1.1	22.1.1.1
23	23.1	23.1.1	23.1.1.1
24	24.1	24.1.1	24.1.1.1
25	25.1	25.1.1	25.1.1.1
26	26.1	26.1.1	26.1.1.1
27	27.1	27.1.1	27.1.1.1
28	28.1	28.1.1	28.1.1.1
29	29.1	29.1.1	29.1.1.1
30	30.1	30.1.1	30.1.1.1
31	31.1	31.1.1	31.1.1.1
32	32.1	32.1.1	32.1.1.1
33	33.1	33.1.1	33.1.1.1
34	34.1	34.1.1	34.1.1.1
35	35.1	35.1.1	35.1.1.1
36	36.1	36.1.1	36.1.1.1
37	37.1	37.1.1	37.1.1.1
38	38.1	38.1.1	38.1.1.1
39	39.1	39.1.1	39.1.1.1
40	40.1	40.1.1	40.1.1.1
41	41.1	41.1.1	41.1.1.1
42	42.1	42.1.1	42.1.1.1
43	43.1	43.1.1	43.1.1.1
44	44.1	44.1.1	44.1.1.1
45	45.1	45.1.1	45.1.1.1
46	46.1	46.1.1	46.1.1.1
47	47.1	47.1.1	47.1.1.1
48	48.1	48.1.1	48.1.1.1
49	49.1	49.1.1	49.1.1.1
50	50.1	50.1.1	50.1.1.1
51	51.1	51.1.1	51.1.1.1
52	52.1	52.1.1	52.1.1.1
53	53.1	53.1.1	53.1.1.1
54	54.1	54.1.1	54.1.1.1
55	55.1	55.1.1	55.1.1.1
56	56.1	56.1.1	56.1.1.1
57	57.1	57.1.1	57.1.1.1
58	58.1	58.1.1	58.1.1.1
59	59.1	59.1.1	59.1.1.1
60	60.1	60.1.1	60.1.1.1
61	61.1	61.1.1	61.1.1.1
62	62.1	62.1.1	62.1.1.1
63	63.1	63.1.1	63.1.1.1
64	64.1	64.1.1	64.1.1.1
65	65.1	65.1.1	65.1.1.1
66	66.1	66.1.1	66.1.1.1
67	67.1	67.1.1	67.1.1.1
68	68.1	68.1.1	68.1.1.1
69	69.1	69.1.1	69.1.1.1
70	70.1	70.1.1	70.1.1.1
71	71.1	71.1.1	71.1.1.1
72	72.1	72.1.1	72.1.1.1
73	73.1	73.1.1	73.1.1.1
74	74.1	74.1.1	74.1.1.1
75	75.1	75.1.1	75.1.1.1
76	76.1	76.1.1	76.1.1.1
77	77.1	77.1.1	77.1.1.1
78	78.1	78.1.1	78.1.1.1
79	79.1	79.1.1	79.1.1.1
80	80.1	80.1.1	80.1.1.1
81	81.1	81.1.1	81.1.1.1
82	82.1	82.1.1	82.1.1.1
83	83.1	83.1.1	83.1.1.1
84	84.1	84.1.1	84.1.1.1
85	85.1	85.1.1	85.1.1.1
86	86.1	86.1.1	86.1.1.1
87	87.1	87.1.1	87.1.1.1
88	88.1	88.1.1	88.1.1.1
89	89.1	89.1.1	89.1.1.1
90	90.1	90.1.1	90.1.1.1
91	91.1	91.1.1	91.1.1.1
92	92.1	92.1.1	92.1.1.1
93	93.1	93.1.1	93.1.1.1
94	94.1	94.1.1	94.1.1.1
95	95.1	95.1.1	95.1.1.1
96	96.1	96.1.1	96.1.1.1
97	97.1	97.1.1	97.1.1.1
98	98.1	98.1.1	98.1.1.1
99	99.1	99.1.1	99.1.1.1
100	100.1	100.1.1	100.1.1.1

BC A-4

PROCESSING AND PREPARATION INDEX

Summary of results obtained: J. M. Hester and A. L. Hesterman (Ann. Int. Met. U.S.S.R., 1966, 67, 645-656). --  
 Sol. N. and protons-N. and protons-N. and N<sub>2</sub>-N. in, trog  
 mixture were unchanged after plasmolysis within electro  
 current. Ch. Ann. (N)

458-554 METALLURGICAL LITERATURE CLASSIFICATION

FROM STABILITY

FROM BOWING

FROM STABILITY

FROM BOWING

**Electrometric determination of the end point in the volumetric determination of reducing substances.** A. K. Kartashev. Nauch. Zapiski Sakharnoi Prom., Tech.-Sci. 13, 541-3(1936); *Chimie & Industrie* 38, 1172.

A modification of the volumetric method for detg. reducing sugars in sugarhouse products involves the use of methylene blue as indicator. The color due to this dye in Fehling soln. does not progressively decrease in intensity during the titration, but disappears sharply at the end of the reaction. When the products analyzed are dark colored, the end point is difficult to detect. This can be avoided by the electrometric method based on the disappearance of the p. d. at the point where all the Cu has been reduced.

A. Papisano-Couture

LIST AND 2ND ORDERS																										PROCESSES AND PROPERTIES INDEX																									
<p>The function of mechanical filtration after the first filter process. I. B. Mintz and A. K. Kartashov. <i>Soviet Sugar</i> 14, No. 11, 27 8(1930). <i>Chemie et Industrie</i> 38, 907. --The presence of 0.1% of unfiltered juice in the first carbonation juice increases the color of the 2nd carbonation juices, and consequently of all subsequent products: 2% of turbid juice increases the color by 48%. The simplest way of avoiding this trouble consists in providing mech. filtration after the first filter process. A. P. C.</p>																										<p>28</p>																									
<p>ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																										<p>RESEARCH INDEX</p>																									